

**What is claimed is:**

1. A chemical-agent access and neutralization system, comprising:
  - a container having a flanged lid portion and a body portion;
  - means for attaching and sealing said lid portion to said body portion to form an interior
  - 5 chamber; and wherein said interior chamber further includes a holder, said holder having a first and second cradle, said first cradle constructed so as to hold a chemical agent container housing a chemical agent, and said second cradle constructed so as to hold a chemical reagent container housing a neutralizing agent.
- 10 2. The chemical agent access and neutralization system as recited in claim 1, wherein said means for attaching and sealing said lid portion to said body portion further comprises said body portion having a flat upper portion wherein said flat upper portion includes a plurality of apertures, said apertures positioned circumferentially around an outer edge of said flat upper portion, and said flanged lid portion including a plurality of apertures wherein said plurality of
- 15 apertures are positioned so as to correspond to said apertures of said flat upper portion.
3. The chemical agent access and neutralization system as recited in claim 2, further comprising a plurality of bolts, said bolts constructed so as to threadably engage within said plurality of apertures of said flanged lid portion and said flat upper portion of said body, so as to
- 20 secure said flanged lid portion to said upper portion in an airtight and contaminant impermeable manner.

4. The chemical agent access and neutralization system as recited in claim 2, wherein said flat upper portion further includes a groove, said groove housing an o-ring to form an airtight and contaminant impermeable seal between said flanged lid portion and said body portion.

5. The chemical agent access and neutralization system of claim 1, wherein said means for attaching and sealing said lid portion to said body portion comprises a clamp.

6. The chemical agent access and neutralization system as recited in claim 1, wherein said flanged lid portion further comprises a handle and at least one sample valve, said sample valve constructed so as to allow a sample probe to be inserted therethrough to monitor conditions within said interior chamber.

7. The chemical agent access and neutralization system as recited in claim 1, wherein an exterior surface of said body portion houses a break system and at least one sample valve; said break system comprising a screw bolt having a notched section, a flexible seal, a break rod and a closing mechanism, said break rod constructed so as to pierce said notched section, penetrate said interior chamber, and pierce said chemical agent container and said reagent container; said sample valve constructed so as to allow a sample probe to be inserted therein for monitoring conditions within said interior chamber.

8. The chemical agent access and neutralization system as recited in claim 7, wherein said closing mechanism comprises a cap having an internally threaded portion and a chain,

said cap constructed so as to threadably engage and cover said screw bolt and said flexible seal so as to form an airtight contaminant impermeable seal between said break mechanism and environment.

5     9.     A method for neutralizing chemical agents contained within chemical agent identification sets, said method comprising:

          (a) providing a chemical agent access and neutralization system, said system comprising a container having a flanged lid portion and a body portion, wherein said lid portion and body portion form an interior chamber, said body portion having a flat upper portion wherein said flat  
10    upper portion includes a plurality of apertures, said apertures positioned circumferentially around an outer edge of said flat upper portion, said flanged lid portion including a plurality of apertures wherein said plurality of apertures are positioned so as to correspond to said apertures of said flat upper portion; means for fastening said flanged lid portion to said body portion forming an airtight and contaminant impermeable seal; wherein said chamber further includes a holder, said  
15    holder having a first and second cradle, said first cradle constructed so as to hold a chemical agent identification container housing a chemical agent, and said second cradle constructed so as to hold a chemical reagent container housing a neutralizing agent; and means for penetrating said chemical agent identification container and said reagent container;

          (b) placing said chemical agent identification container in said first cradle and said  
20    reagent container in said second cradle;

          (c) sealing said flanged lid portion to said body portion; and

(d) actuating said access means to penetrate said chemical agent identification container and said chemical reagent container so that said chemical agents and said chemical reagents are mixed within said interior chamber and said chemical agents are neutralized.

5 10. The method of claim 9, further comprising the step of moving said chemical agent access and neutralization system from a vertical position to a horizontal position and back to said vertical position in order to further mix said chemical agents and said chemical reagents.

11. The method of claim 9, wherein said flanged lid portion further comprises a handle and at  
10 least one sample valve, said sample valve constructed so as to allow a sample probe to be inserted therethrough to monitor conditions within said interior chamber.

12. The method of claim 11, further comprising the step of inserting a sample probe through said sample valve to monitor conditions within said interior chamber.

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13. The method of claim 9, wherein said means for penetrating said chemical agent container and said chemical reagent container comprises a break system and at least one sample valve; said break system housed on an exterior surface of said body portion and comprising a screw bolt having a notched section, a flexible seal, a break rod and a closing mechanism, said break rod  
20 constructed so as to pierce said notched section, penetrate said interior chamber, and pierce said chemical agent identification container and said reagent container; said sample valve constructed so as to allow a sample probe to be inserted therein for monitoring conditions within said interior chamber.

14. The method of claim 13, wherein said closing mechanism comprises a cap having an internally threaded portion and a chain, said cap constructed so as to threadably engage and cover said screw bolt and said flexible seal so as to form an airtight contaminant impermeable seal between said break mechanism and environment.

15. The method of claim 9, wherein said flat upper portion of said body portion further includes a groove, said groove housing an o-ring to form a seal between said flanged lid portion and said body portion.